



## ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY

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*October 12, 2009*  
*Agenda Item 5.4*

### **Memorandum**

**DATE:** October 1, 2009

**TO:** Administration and Legislation Committee

**FROM:** Vivek Bhat, Associate Transportation Engineer

**SUBJECT:** I-580 San Leandro Soundwall Project:  
Quarterly Construction Status Report

#### **Action Requested**

The CMA's adopted Construction Administration Guide requires that a quarterly construction status report be provided to the Administration and Legislation Committee. It is recommended that the Committee review and approve the attached Quarterly Construction Status Report for activities through September 30, 2009.

#### **Discussion**

The I-580 San Leandro Soundwall Project will construct approximately 8000 feet of soundwalls along both sides of I-580 between Estudillo Avenue and 141st Avenue in the City of San Leandro. In general, the project consists of excavation, bridge retrofit, retaining wall modifications and construction of soundwalls. Two of the soundwalls to be constructed on the Estudillo and San Leandro Creek Bridge will be of light weight material (Paraglas). The soundwalls along the west side of I-580 will be constructed with sound absorptive material. The walls along the east side of I-580 will be constructed with traditional masonry block materials.

The CMA's adopted Construction Administration Guide requires that a quarterly construction status report be provided to the Administration and Legislation Committee. Attached is the Quarterly Construction Status Report for activities through September 30, 2009.

Attachment

# **I-580 SAN LEANDRO SOUNDWALL PROJECT**

## **Construction Status Report**

**July 1<sup>st</sup>, 2009 through September 30<sup>th</sup>, 2009**

### **PROJECT DESCRIPTION**

The I-580 San Leandro Soundwall Project will construct approximately 8000 feet of soundwalls along both sides of I-580 between Estudillo Avenue and 141st Avenue in the City of San Leandro. In general, the project consists of excavation, bridge retrofit, retaining wall modifications and construction of soundwalls. Two of the soundwalls to be constructed on the Estudillo and San Leandro Creek Bridge will be of light weight material (Paraglas). The soundwalls along the west side of I-580 will be constructed with sound absorptive material (Port-O-Wall System). The walls along the east side of I-580 will be constructed with traditional masonry block materials.

### **Project Elements**

The I-580 San Leandro Soundwall project will construct twelve soundwalls varying from 10 to 16 feet in height. With the exception of the light weight Paraglas walls to be constructed on existing bridges, all walls will be supported by Cast in Drill Hole (CIDH) reinforced piles. In general, the main components of the project are the following:

- Masonry Block walls (East side of the freeway)
- Sound Absorptive precast soundwalls (West Side of the freeway)
- Lightweight Material (Paraglas) walls on Estudillo and San Leandro Bridge
- Retrofitting of two Bridges
- Retaining Wall Modifications (for sound wall on Benedict Drive)
- Minor Drainage Improvements (Lined Concrete Gutter)

### **SUMMARY STATUS**

The I-580 San Leandro project opened bids on May 7, 2009. The CMA received 4 bids for this contract. The CMA Board awarded the contract to the lowest bidder Gordon N. Ball Inc. on May 28, 2009. A Notice to Proceed letter was sent to Gordon N. Ball Inc. stating that the first working day under the contract will be June 15, 2009. The contract consists of 250 working days for base bid and Additive Bid items. The Additive bid items consists of precast (Port-O-Wall) sound absorptive soundwalls to be built on the west side of Interstate 580.

Project activities during this period include weekly meetings with the contractor, with City of San Leandro engineering staff, coordination with Caltrans oversight engineers and coordination with PG&E to resolve service point and structure engineering drawings needed for one service relocation behind sound wall 2, near Assumption School. Most key submittals required by the contract have been received, reviewed and approved with the exception of the shop drawings for the Port-O-Wall system which has not been submitted as required by the contract special provisions. The contractor

has completed all the underground work for the sound wall foundations on the east side of the freeway and masonry block layout for sound walls 3, 3B & 5. There were multiple buried man-made objects encountered when excavating for pile cap and CIDH drilling for sound walls 4, 5 & 6. The project current schedule shows contract completion as June 15, 2010 as shown on the contract approved baseline.

Following is the contract and construction status of the project:

## CONTRACT AND CONSTRUCTION STATUS

### Contractor: Gordon N. Ball Inc.

- **Contract Status:** The contract was awarded on May 28, 2009, by CMA, in the amount of \$6,180,565 (Base + Additives=\$4,297,065+ \$1,883,500).
- **Construction Status:** Gordon N. Ball, the contractor, started construction activities June 15, 2009. The ongoing field work consists of masonry block wall installation for sound walls 4 & 6 and retaining wall construction (CCO No. 14) for 361 linear feet of sound wall 6. Falsework installation for sound wall 3A. Pothole activities on west side of the freeway for future CIDH installation for sound walls 1, 2, 8 & 9 (Port-O-Wall system).
- Contract scheduled to be completed by June 15, 2010.

### Financial Status

This section of the report includes a review of the project construction budget as well as a review and overall status of Contract Change Orders (CCOs).

#### Budget and Expenditure Summary

The project and construction contract is within budget. Contract change orders have been written to address multiple issues related to buried man-made objects and different site conditions. Shown in the table below, is the status of the project contingency funds:

#### **Project No. A09-004 ROUTE 580 SOUND WALLS IN SAN LEANDRO PROJECT (Contractor Gordon N. Ball Inc.)**

Construction Bid Price (including additives)	\$6,180,565.00
Supplemental Work and Contingency:	\$ 500,000.00
<b>Total Construction Budget:</b>	<b>\$6,680,565.00</b>

Status of Contract Change Orders (CCO) and Supplemental Work						
CCO No.	DESCRIPTION	Payment Method	Time	CCO Amount	Paid to date	Budget Remaining
	CCO Contingency Budget					<b>\$500,000.00</b>
1	Repair AC Shoulder on WB I-580; Modify detours for Ramp Closure; Crash Cushion @ Grand Avenue	EWFA	0	\$50,000.00	\$0.0	\$450,000.00
2	Rodent Control	EWLS	0	\$3,024.50	\$0.0	\$446,975.50
3	Modify Beginning of Work Dates SW2 so School Sound Wall can be demoed during school recess	No Cost Change Order	0	\$0.0	\$0.0	\$446,975.50
4	Barrier Slab Modification South End SW3A on top of Existing Retaining Wall	Negotiation In progress	0	TBD	\$0.0	\$446,975.50
5	Relocate Existing Irrigation System in Conflict with SW Construction	EWFA	0	\$10,000.00	\$0.0	\$436,975.50
6	Buried Man-Made Objects	EWFA	0	\$20,000.00	\$0.0	\$416,975.50
7	SW 3 Alignment/Grade Adjustments	EWFA	0	\$ 6,800.00	\$0.0	\$410,175.50
8	DRA Payments	EWFA	0	\$10,000.00	\$0.0	\$400,175.50

9	Maintain Existing Electrical Facilities	EWFA	0	\$6,000.00	\$0.0	\$394,175.50
10	Additional Pot Holing (SW 4, 5 & 6) –Conflicts with Existing Elliptical Storm Drain & Oversize Man Holes that required SW5 realignment	EWFA	0	\$10,000.00	\$0.0	\$384,175.50
11	Different Site Conditions – East Side of Freeway	EWLS	0	\$ 5,800.00	\$0.0	\$378,375.50
12	Modify SW 5 Between Sta 754+26 and Sta 754+82 Due to Grade Differences	EWLS	0	\$ 5,767.94	\$0.0	\$372,607.56
13	FPS G2 Inlet @ Station F734+20 @ SW3	EWLS	0	\$5,061.00	\$0.0	\$367,546.56
14	Modify SW 6 Due to Grade Differences Between Stations 758+22 and Station 761+83	Negotiation In progress	0	TBD	\$0.0	\$367,546.56
15	Remove Graffiti as Directed by the Engineer	EWFA	0	\$15,000.00	\$0.0	\$352,546.56

Total= \$147,453.44

EWFA – Extra Work @ Force Account

EWLS – Extra Work @ Lump Sum

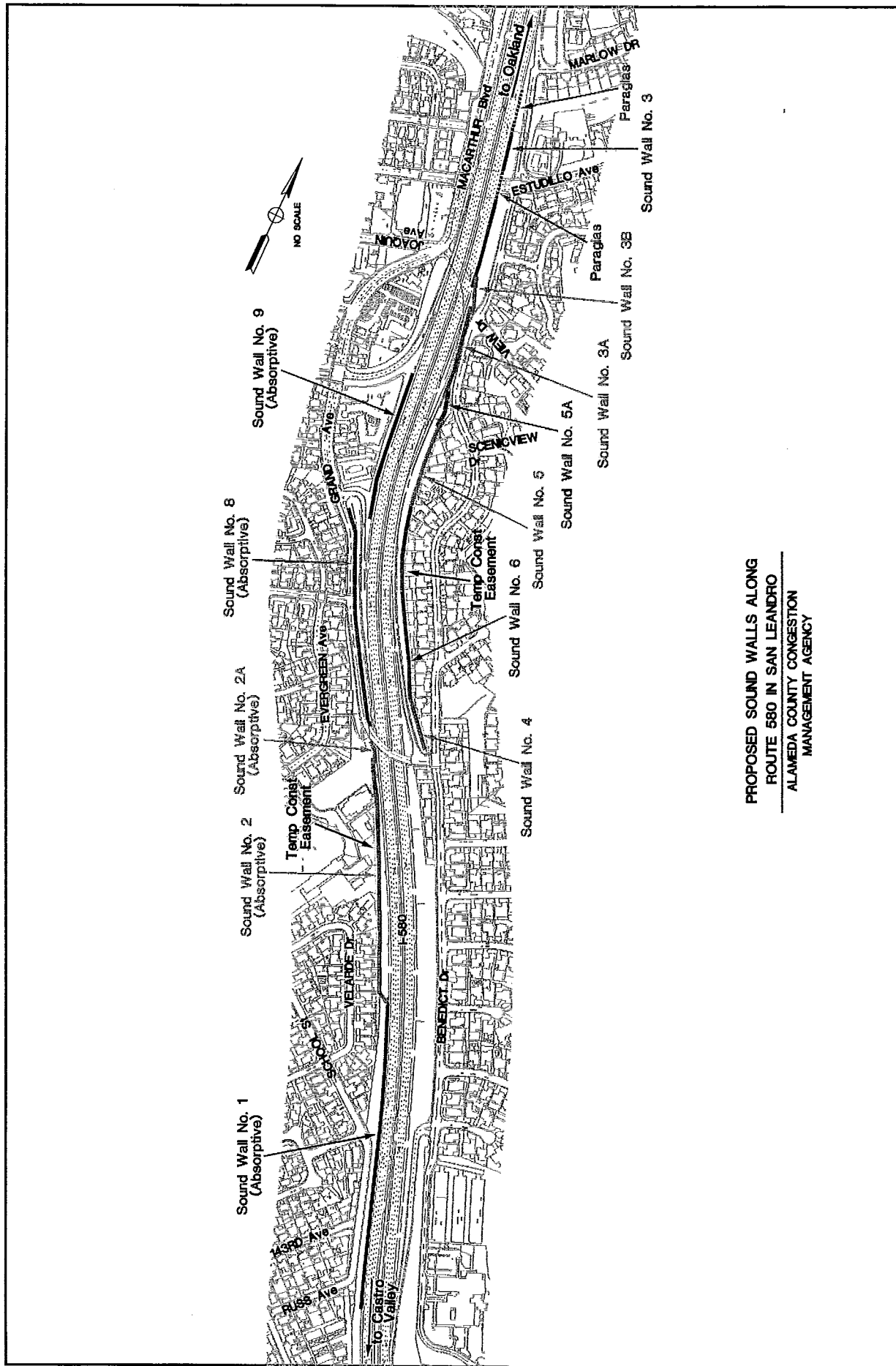
## Schedule Status

When preparing project plans, the design engineer includes a specification that informs the contractor how long he has to perform the work. This information is provided in the form of Working days, which typically include only regular business days, or Calendar days, which do not include Saturday and Sunday. Days when weather conditions prevent work are not counted in the totals in the Working days format. Presented in the table below is a status of the construction contracts in terms of Working/Calendar Days completed as well as the number remaining.

Project	I-580 San Leandro Soundwalls
Original Number of Working Days	250
First Working Day	6/15/09
Weather Day Delays to Date	0
Contract Change Order Days	0
Days Other (WSWD )	0
Number of Working Days Charged to Date	75
Contract Time Completed to Date	30%
Revised Completion Date Based on Weather Days	6/15/10
Work Complete as of Billing to Date	20%

## **Outstanding Issues/Disputes/Claims**

The construction work and coordination is relatively well and most issues have been resolved or are being resolved in the field, allowing the contract to progress without right of way delays in spite of multiple buried man-made objects and several different site conditions encountered with underground work. The contractor has filed three notice of potential claims that the CM team has found with no merit. NOPC1: The contractor claims that removal of trees is not part of Clearing & Grubbing and wants to be compensated under a different item of work for each tree he has removed under the contract. NOPC2: The contractor is claiming that he could not have anticipated that a sound wall foundation was required to be removed even though the special provisions requires and explicitly states that the sound wall foundation must be removed. NOPC3: The contractor claims that submittal of Port-O-Wall (Sound Absorptive) working drawings is not required in the contract as his responsibility and that any delays related to this issue are the owners delays.



PROPOSED SOUND WALLS ALONG  
ROUTE 580 IN SAN LEANDRO  
ALAMEDA COUNTY CONGESTION  
MANAGEMENT AGENCY